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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/988,017	11/16/2001	Kanji Otsuka	43887-168	7677

20277 7590 07/22/2003

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WASHINGTON, DC 20005-3096

EXAMINER

LEE, BENNY T

ART UNIT	PAPER NUMBER
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2817

DATE MAILED: 07/22/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark OfficeAddress: COMMISSIONER OF PATENTS AND TRADEMARKS
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SERIAL NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NO.

EXAMINER	
ART UNIT	PAPER NUMBER
	15

DATE MAILED:

This is a communication from the examiner in charge of your application.

COMMISSIONER OF PATENTS AND TRADEMARKS

☒ This application has been examined ☒ Responsive to communication filed on 27 Feb 2003 ☐ This action is made final.

A shortened statutory period for response to this action is set to expire Two (2) month(s), _____ days from the date of this letter.
Failure to respond within the period for response will cause the application to become abandoned. 35 U.S.C. 133

Part I THE FOLLOWING ATTACHMENT(S) ARE PART OF THIS ACTION:

- | | |
|---|---|
| 1. <input checked="" type="checkbox"/> Notice of References Cited by Examiner, PTO-892. | 2. <input type="checkbox"/> Notice re Patent Drawing, PTO-948. |
| 3. <input checked="" type="checkbox"/> Notice of Art Cited by Applicant, PTO-1449 | 4. <input type="checkbox"/> Notice of Informal Patent Application, Form PTO-152 |
| 5. <input type="checkbox"/> Information on How to Effect Drawing Changes, PTO-1474 | 6. <input type="checkbox"/> _____ |

Part II SUMMARY OF ACTION

1. ☒ Claims 1-10 are pending in the application.
Of the above, claims 1-3, 5, 6, 8-10 are withdrawn from consideration.
2. ☐ Claims _____ have been cancelled.
3. ☒ Claims 4, 7 are allowed.
4. ☐ Claims _____ are rejected.
5. ☐ Claims _____ are objected to.
6. ☒ Claims 1-10 are subject to restriction or election requirement.
7. ☐ This application has been filed with informal drawings which are acceptable for examination purposes until such time as allowable subject matter is indicated.
8. ☐ Allowable subject matter having been indicated, formal drawings are required in response to this Office action.
9. ☐ The corrected or substitute drawings have been received on _____. These drawings are: ☐ acceptable; ☐ not acceptable (see explanation).
10. ☐ The ☐ proposed drawing correction and/or the ☐ proposed additional or substitute sheet(s) of drawings, filed on _____, has (have) been ☐ approved by the examiner. ☐ disapproved by the examiner (see explanation).
11. ☐ The proposed drawing correction, filed _____, has been ☐ approved. ☐ disapproved (see explanation). However, the Patent and Trademark Office no longer makes drawing changes. It is now applicant's responsibility to ensure that the drawings are corrected. Corrections MUST be effected in accordance with the instructions set forth on the attached letter "INFORMATION ON HOW TO EFFECT DRAWING CHANGES", PTO-1474.
12. ☒ Acknowledgment is made of the claim for priority under 35 U.S.C. 119. The certified copy has ☒ been received ☐ not been received
☐ been filed in parent application, serial no. _____; filed on _____.
13. ☒ Since this application appears to be in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11; 453 O.G. 213.
14. ☐ Other

SN 988617

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Applicant's election of Species II, claims 4, 7 in Paper No. 12 is acknowledged. Because applicant did not distinctly and specifically point out the supposed errors in the restriction requirement, the election has been treated as an election without traverse (MPEP § 818.03(a)).

Claims 1-3, 5, 6, 8-10 are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected species, there being no allowable generic or linking claim. Election was made without traverse in Paper No. 12.

This application is in condition for allowance except for the following formal matters:

In the Specification:

35 U.S.C. 112, first paragraph, requires the specification to be written in "full, clear, concise, and exact terms." The specification is replete with terms which are not clear, concise and exact. The specification should be revised carefully in order to comply with 35 U.S.C. 112, first paragraph. Examples of some unclear, inexact or verbose terms used in the specification are:

Page 2, line 22, note that "... has been caused, are disturbed" should be rephrased. Page 3, lines 2, 3, 17, 18; page 4, lines 19, 20; page 5, lines 8, 9, 17, 18: note that "which can be restrained that ... is caused" should be rephrased for clarity. Page 3, line 15 and page 4, line 17; note that "the" should precede "extent". Page 3, line 17; page 4, lines 1, 19; page 5, line 16: note that "In consequence" should be rephrased as "As a consequence". Page 11, lines 4, 13, note that "to" should be respectively deleted as being unnecessary; line 20, note that "or extinguished" should be rephrased. Page 12, line 1, note that "that is" should be deleted as being unnecessary; line 20, note that "that is" should be deleted as being unnecessary; line 7, note that "The reason is such ..."

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should be rephrased. Page 13, lines 11, 12, note that "the pair transmission line" should be rephrased as --the transmission line pair--; line 12, note that "un-uniform" should be rewritten as --non-uniform--; lines 19, 20, note that "there may be used" (l. 19) should be deleted and --may be used-- should follow "ceramic" (l. 20). Page 14, line 4, "the Gauss law" should be rephrased. Page 18, line 19, note that "comprehended" should be rewritten as --understood--. Page 21, lines 20, 21, note that "the by-pass capacitor" should be rephrased as --a by-pass capacitor--.

The disclosure is objected to because of the following informalities: Page 6, line 21 and page 8, line 24, note that "2A to 2D" should be rewritten as --2A, 2B, 2C, 2D-- for consistency with the drawing figures. Page 6, line 23 and page 9, line 25, note that "3A to 3C" should be rewritten as --3A, 3B, 3C-- for consistency. Page 6, line 25 and page 4, line 23, note that "4A to 4C" should be rewritten as --4A, 4B, 4C-- for consistency. Page 9, line 20 and page 22, line 14, note that reference to a "damascene" process is unclear in meaning and thus needs further elaboration. Page 10, lines 4, 5, note that the recitation "to excess from the facing surface" is vague in meaning and needs clarification. Page 11, line 22, note that reference to "the direction" is vague in meaning (i.e. which direction?). Page 12, line 7, note that it is unclear what characterizes "unnatural"? Page 17, line 25 and page 20, line 2, note that reference to "drawings" is unclear (i.e. which drawings?). Page 19, line 4, note that --of Fig. 7-- should follow "W3"; line 5, note that --of Fig. 6A-- should follow "W1" and --of Fig. 6B-- should follow "W2", respectively. Page 20, line 22, note that "and so on" is vague in meaning and needs clarification.

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Page 21, lines 6, 7, note that "... ^{the} are density of the lines.." is vague in meaning and needs clarification. Appropriate correction is required.

Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

The German reference pertains to vertically oriented conductors. Boudreau et al pertains to channel ground plane sections.

Any inquiry concerning this communication should be directed to Benny Lee at telephone number 308-4902.

Lee/ek
BENNY T. LEE
PRIMARY EXAMINER
ART UNIT 2817

07/16/03